

COMP3020 Milestone 3 Report

University of Manitoba - Fall 2024

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Section: A02

Group: 10

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PART (A): Technology Overview

1. What we used

We used HTML, CSS, and Javascript, as well as a couple of libraries to create our “Jyniper Gyms” website

2. What was our approach

Our approach in creating our website was:

- 1) We used GitHub to maintain proper version control,
- 2) We used our sketches and feedback from milestone 2 as the basic idea and foundation to implement the website which proves helpful in determining the final product, and
- 3) pseudo-live coding to coordinate the workflow.

3. What libraries were used

The libraries that we used are Bootstrap, JQuery, Font Awesome, Owl-Carousel from Cloudflare and Lottie. We used them to improve the functionality and aesthetic of our website.

PART (B): Design deviations and evolutions

In our final design, several changes were made from the initial paper prototype to enhance functionality and usability based on user feedback and technical constraints.

- **1. Profile Picture Button:** A profile picture button was added to the homepage to visually indicate whether the user is logged in. This change was informed by user feedback, which highlighted the importance of clear login status indicators. This addition improves user navigation and personalizes the interface.

- **2. Side Navigation Bar for the Store:** The store now features a side navigation bar, which was not present in the paper prototype. This decision was driven by the need for better organization and quicker access to categories, which enhances the shopping experience and aligns with user expectations for e-commerce interfaces.
- **3. Back to Home Button:** A "Back to Home" button was included on all pages except the store. This improvement addresses feedback that users needed an intuitive way to return to the main homepage, streamlining navigation across the site.
- **4. Removal of Member/Staff Sign-In Option:** We decided not to include the "sign in as member/staff" option from the prototype. This change was due to technical challenges and the realization that simplifying the login process could reduce user confusion.
- **5. Improved UI for Membership Selection:** The interface for selecting membership types was refined to be more accessible. This involved larger buttons and clearer labels, addressing feedback about the prototype's complexity and ensuring inclusivity.

These adjustments reflect our focus on user-centric design while balancing technical feasibility. Comparing our sketches with the final product highlights how feedback and iterative improvements contributed to a more polished and practical implementation.

PART (C): Usability “sales pitch”

Design Principles and User Experience

The primary design principles we used are an aesthetic and minimalistic look, clear and effective navigation, consistency, and ease of use. These “rules of thumb” are important because they help us create a better user experience when using our interface. Focusing on the user experience increases user satisfaction and system efficiency while reducing user errors. We primarily used feedback from our paper prototype and course material when choosing our design principles. We prioritized the principles we believed would have the strongest impact on the user without harming the functionality of the interface.

Aesthetic and Minimalistic Design

An aesthetic and minimalistic design allowed us to create an interface that is efficient and easy to learn. Too many elements on the screen can overwhelm users and make interactions less efficient as they must sift through everything on the screen. Focusing on key aspects and core functions reduces the user's overall mental load and makes the interface easier to use. A good example of these design principles is our log-in and account creation pages (see Appendix A). We kept the design minimalistic and only included information necessary for the user to see and interact with. However, we also ensured it was visually appealing and aesthetic through the use of color, imagery, and interface layout.

Clear and Effective Navigation

Clear and effective navigation was essential to our design, especially since many users will not use the site frequently. The site needed to intuitively guide the user without

overwhelming them. To achieve this, we limited the website's scope to its core functions and created one centralized home page for users to branch off from. Users can easily return to the home page or the last section they were in from any branch. This allows users to find what they are looking for without wasting time or getting lost.

Consistency and Ease of Use

Consistency and ease of use are the final design principles we followed. These principles go hand-in-hand to create a seamless interface. We achieved this by using the same color scheme, graphics, and page layout throughout the interface. We wanted users to complete all major tasks on the site quickly and with minimal errors. Keeping the design consistent allows users to learn to navigate it more quickly, making it easier to use.

For a detailed look at our design, please refer to Appendix A.

APPENDIX (A): Figures

- 1) Log in and Create an account pages


[◀ Back to Login](#)



Step 1: Personal Info

 Full Name

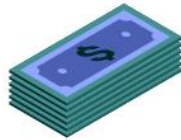
 Age

 Shipping Address


 Weight (kg)

NEXT

[◀ Back to Step1](#)



Step 2: Billing & Shipping

 Billing Address

 Credit Card Number

 Expiration Date (MMYY)

 CVV

NEXT

[◀ Back to Step 2](#)



Step 3: Contact Info

Phone Number

Email

Emergency Contact

NEXT

[◀ Back to Step 3](#)



Step 4: Choose Your Tier

How long would you like your billing cycle to be?

Select Billing Cycle

Which Membership tier would you like to get?

Select Membership Tier

Password

NEXT

[Click here to view what tiers we offer if you're unsure what to choose](#)

[Back to Step 4](#)

Step 5: Security Questions

What is the name of your first pet?

What's your mom's maiden name?

COMPLETE REGISTRATION

2) Locations page

[Back to Homepage](#)

ALL BRANCH

BRANCH 1

BRANCH 2

BRANCH 3

Branch 2
150 Kenaston Boulevard
Contact: 456-789-0123

Branch Descriptions
Located near downtown, Branch 2 at 150 Kenaston Boulevard is the perfect fitness hub for those who want to stay active and energized in the heart of the city. With its proximity to downtown, this branch is ideal for professionals, residents, and students looking for a convenient place to work out before, during, or after their busy schedules.

3) Who are we? page

[← Back to Homepage](#)



Who are we?

Welcome to Jyniper Gyms, where passion meets purpose. We are more than just a gym—we are a community driven by the desire to empower individuals to achieve their fitness goals and live healthier lives.

With cutting-edge facilities, expert trainers, and a supportive environment, we are committed to helping you become the best version of yourself.

Whether you're a seasoned athlete or just starting your fitness journey, we are here to guide, motivate, and celebrate your success.

4) Memberships page

[◀ Back to Homepage](#)

▼ Billing Cycle



Basic Membership

- Access to gym facilities
- Free group classes
- Locker room access

\$29.99/month



Premium Membership

- All Basic Membership benefits
- Access to premium equipment
- Personal training sessions
- Sauna and steam room access

\$49.99/month



VIP Membership

- All Premium Membership benefits
- Unlimited personal training
- Nutrition and diet consultation
- Priority class booking
- Exclusive VIP lounge access

\$79.99/month

4) Why Us? Page

[◀ Back to Homepage](#)



Why Us?

At Jynipor Gyms, we offer more than just a place to work out. We provide an environment that inspires, motivates, and empowers you to achieve your fitness goals. With state-of-the-art equipment, personalized training programs, and a supportive community, we make sure every step of your journey is productive and enjoyable. Choose us to take the first step toward a healthier and more confident you!

Our Experience?

With years of experience in the fitness industry, we've helped thousands of individuals transform their lives. Our team of certified trainers and wellness experts brings a wealth of knowledge and expertise to the table.

Testimonials

Below, you will find several photographs graciously submitted by our valued customers. These images showcase the condition and performance of our products after six or more months of regular use. Our customers' feedback and these visual testimonials provide an authentic glimpse into the durability, effectiveness, and satisfaction that our products deliver over an extended period. We appreciate our customers sharing their experiences and are proud to present these real-world results to you.



APPENDIX (B): Work distribution with the group

1. Planned Contribution

Member	Intended Role(s)
Skyler Pries	Write up
Rizaldi Wijaya	Write up and code
Rubait Ahamed	Write up and code
Huzaifa Mehboob	Write up and code

2. Completed Contribution

Member	Intended Role(s)
Skyler Pries	Write up part 3
Rizaldi Wijaya	Write up and code
Rubait Ahamed	Write up and code
Huzaifa Mehboob	Write up and code